

Executive Summary Report

SMOG CHECK Statewide

June 2007

1. Testing Volume

	Total	Failed	Percent (%) Fail
Initial Test	816,548	101,690	12.45%
Total	945,816	130,954	13.85%

2. Certification Volume

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	700,019	85.73%	116,529	14.27%
Total	794,023	83.95%	151,793	16.05%

2a. Certification Volume (Test Only)

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	411,570	85.49%	69,880	14.51%
Total	470,888	84.43%	86,853	15.57%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Fail
Gross Polluters	18,147	2.22%
All Emissions	58,388	7.15%
All Visual	11,629	1.42%
All Functional	30,906	3.78%
OBDII	30,228	3.70%
Overall	101,690	12.45%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Enhanced	648,599	82,115	12.66%	14,297	2.20%
Partially Enhanced	38,829	5,548	14.29%	1,001	2.58%
Basic	74,882	8,358	11.16%	1,781	2.38%
Change of Ownership	5,833	881	15.10%	280	4.80%
No Program	7	4	57.14%	1	14.29%
Unknown Program	48,398	4,784	9.88%	787	1.63%
Total Program Area	816,548	101,690	12.45%	18,147	2.22%

5. Initial Test Failures by Station Type

Station Types	All Tests Performed	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Test Only	481,450	68,374	14.20%	12,971	2.69%
Regular	283,053	26,797	9.47%	4,008	1.42%
Basic Area Dealer	5,513	265	4.81%	27	0.49%
Gold Shield in Enhanced Area	29,570	3,652	12.35%	551	1.86%
Gold Shield in Basic Area	8,549	1,300	15.21%	300	3.51%
Gold Shield in COO Area	4,161	571	13.72%	180	4.33%
Business Fleet	35	5	14.29%	0	0.00%
Permanent Fleet Registered	108	20	18.52%	2	1.85%
Referee	831	420	50.54%	75	9.03%
Government Fleet	3,278	286	8.72%	33	1.01%
Total	816,548	101,690	12.45%	18,147	2.22%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Cert. Issued
Volunteers	237,991	211,690
Directed Vehicles	243,459	199,880
Total	481,450	411,570

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Cert. Issued
Volunteers	41,922	36,169
Directed Vehicles	358	55
Total	42,280	36,224

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6. Initial Tests by Vehicle Model Year

Model Year	Initial Test	Failed Overall	Percent (%) Fail Overall	Percent (%) Fail Emiss.	Percent (%) Fail G.P.	Percent (%) Fail Funct.	Percent (%) Fail Visual	Percent (%) Fail OBDII
1966	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1967	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1969	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1970	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1972	3	1	33.33%	0.00%	0.00%	33.33%	33.33%	0.00%
1973	3	2	66.67%	66.67%	0.00%	33.33%	0.00%	0.00%
1974	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1975	10	3	30.00%	30.00%	10.00%	0.00%	0.00%	0.00%
1976	1,717	471	27.43%	21.03%	10.13%	13.86%	7.80%	0.00%
1977	2,342	622	26.56%	20.67%	10.29%	13.02%	7.51%	0.00%
1978	2,632	704	26.75%	20.52%	10.30%	14.10%	8.24%	0.00%
1979	2,831	814	28.75%	23.24%	11.23%	14.84%	8.44%	0.00%
1980	1,841	523	28.41%	22.32%	11.68%	14.67%	9.56%	0.00%
1981	2,200	646	29.36%	23.91%	11.50%	15.36%	8.00%	0.00%
1982	2,430	739	30.41%	24.73%	11.77%	16.34%	8.02%	0.00%
1983	3,681	1,081	29.37%	23.80%	11.14%	14.56%	7.44%	0.00%
1984	6,431	1,900	29.54%	24.72%	12.56%	14.85%	7.03%	0.00%
1985	8,650	2,471	28.57%	23.60%	11.36%	14.53%	6.32%	0.00%
1986	11,899	3,157	26.53%	21.04%	9.67%	13.72%	5.08%	0.00%
1987	14,427	3,963	27.47%	22.65%	9.34%	12.95%	4.43%	0.00%
1988	17,660	4,231	23.96%	19.35%	7.55%	11.33%	3.89%	0.00%
1989	22,727	4,843	21.31%	16.56%	6.01%	10.48%	3.43%	0.00%
1990	26,783	5,213	19.46%	15.27%	5.34%	9.09%	2.61%	0.00%
1991	30,239	5,392	17.83%	14.12%	4.53%	8.02%	1.87%	0.00%
1992	30,427	4,999	16.43%	12.81%	4.03%	7.14%	1.71%	0.00%
1993	35,917	6,330	17.62%	14.43%	3.25%	6.58%	1.78%	0.00%
1994	37,865	5,687	15.02%	11.75%	2.51%	5.85%	1.68%	0.00%
1995	57,773	6,982	12.09%	8.87%	1.78%	4.75%	1.23%	0.00%
1996	35,753	6,418	17.95%	7.41%	1.16%	1.69%	1.18%	11.82%
1997	71,857	8,592	11.96%	4.18%	0.71%	1.20%	0.78%	8.07%
1998	50,141	5,631	11.23%	3.22%	0.54%	0.92%	0.77%	8.16%
1999	95,770	6,506	6.79%	1.51%	0.31%	0.55%	0.47%	5.08%
2000	40,805	3,274	8.02%	1.39%	0.29%	0.65%	0.47%	6.31%
2001	134,631	8,034	5.97%	0.59%	0.12%	0.51%	0.29%	5.03%
2002	19,708	861	4.37%	0.50%	0.08%	0.32%	0.18%	3.47%
2003	22,196	757	3.41%	0.31%	0.06%	0.23%	0.19%	2.59%
2004	8,622	302	3.50%	0.24%	0.06%	0.36%	0.24%	2.60%
2005	6,363	246	3.87%	0.60%	0.08%	0.19%	0.64%	2.77%
2006	6,517	197	3.02%	0.12%	0.00%	0.18%	0.06%	2.46%
2007	3,649	97	2.66%	0.30%	0.11%	0.16%	0.47%	1.95%
2008	39	1	2.56%	0.00%	0.00%	0.00%	0.00%	2.56%
2009	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Model Year	816,548	101,690	12.45%	7.15%	2.22%	3.78%	1.42%	3.70%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	668
Certificate of Non Compliance	1
Parts Cost	82
Hardship Extensions	158
Exempt Vehicle	49
Exempted by Directive	110
Parts Exemption	0
Unknown Outcome	0
	1,068

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,314
Stations Locked-Out at Least Once	94
Stations Conducted at Least One Test	7,715

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,532	6,112
EA	Gas Endorsement	15	0
EB	Both Endorsement	64	0
EB	Gas Endorsement	559	0
GU	Both Endorsement	20	0

10. Inspections Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	429,642	47.95	43,868	48.09	473,510	47.96
Test and Repair	195,318	46.32	83,855	44.24	279,173	45.69
Test and Repair Dealer	22	65.59	5,491	46.32	5,513	46.40
Referee	511	30.00	169	30.00	680	30.00
Gold Shield in Enhanced Area	21,747	46.31	7,641	41.15	29,388	44.97
Gold Shield in Basic Area	84	63.67	8,465	34.51	8,549	34.80
Gold Shield in COO Area	32	48.06	4,134	48.16	4,166	48.16

11. Repair Costs

	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	7,437	22.29	24,275	204.74
	\$51-150	6,205	100.45		
	\$151-250	4,051	199.02		
	\$251-450	4,045	334.55		
	Over \$450	2,537	796.84		
Cap Repairs	\$0-50	168	23.92	3,475	337.86
	\$51-150	390	109.45		
	\$151-250	557	201.37		
	\$251-450	1,281	348.30		
	Over \$450	1,079	527.36		
Total Repairs	\$0-50	6,690	22.57	25,238	243.45
	\$51-150	5,344	100.88		
	\$151-250	4,279	199.69		
	\$251-450	5,070	339.13		
	Over \$450	3,855	747.14		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
Cap Repairs	3,475	337.86

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	37	6	0	0	1	2	3	0

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Test Only	30	9	4	0	2	8	3	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	4	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	19	5	0	0	0	4	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	67	9	1	0	3	4	4	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	15,181	2,052	235	104	957	899	485	210
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	72	4	0	30	32	6	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	255	244	38	116	50	131	84	145
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	139,763	14,418	1,749	726	6,275	6,503	3,643	1,347
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	348,528	60,638	11,418	3,487	14,934	39,191	19,302	6,935
Acceleration Simulation Mode (ASM)	No Program	Test and Repair	2	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	No Program	Test Only	1	3	1	0	1	2	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,278	492	90	32	130	301	159	63
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	3	1	0	0	3	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	11	16	5	6	3	11	6	9
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,367	3,068	538	165	785	1,874	937	347
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	16	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,386	1,675	306	109	414	1,050	530	215
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,327	209	33	12	77	115	56	22
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	186	22	1	39	144	8	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	49	31	10	14	2	15	20	23

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	14,875	1,610	213	96	685	771	365	177
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	13,221	1,804	345	124	621	1,091	476	246
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	6,154	1,170	276	64	244	511	534	158
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	211	34	8	4	6	16	10	7
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,139	508	104	19	162	192	207	72
Two Speed Idle (TSI)	Basic	Government Fleet	0	4	1	0	1	2	1	0
Two Speed Idle (TSI)	Basic	Permanent Fleet Registered	1	2	1	0	0	1	1	1
Two Speed Idle (TSI)	Basic	Referee	27	35	7	17	8	13	15	21
Two Speed Idle (TSI)	Basic	Test and Repair	43,303	5,256	1,101	298	1,516	2,276	1,982	652
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,926	215	27	13	71	71	64	29
Two Speed Idle (TSI)	Basic	Test Only	7,485	1,118	252	55	311	532	354	139
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	54	13	6	1	3	8	5	3
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,895	387	133	34	53	244	128	58
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	100	29	11	2	10	14	10	5
Two Speed Idle (TSI)	Change of Ownership	Referee	1	8	5	2	0	6	6	7
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,917	287	77	19	74	141	120	36
Two Speed Idle (TSI)	Change of Ownership	Test Only	822	154	48	12	36	85	53	19
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	447	44	7	4	20	15	9	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	431	29	3	2	16	8	7	4
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,776	283	59	20	110	120	69	41
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	14	3	0	4	4	3	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	46	8	1	2	0	2	4	5
Two Speed Idle (TSI)	Enhanced	Referee	41	25	3	12	7	10	8	15
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,004	1,528	224	74	793	452	322	149
Two Speed Idle (TSI)	Enhanced	Test Only	28,481	2,706	552	121	1,247	1,028	558	243
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	48	6	0	1	3	1	1	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	210	29	8	1	16	10	5	3

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Two Speed Idle (TSI)	Partial	Test and Repair	1,837	168	34	16	53	67	59	34
Two Speed Idle (TSI)	Partial	Test Only	760	82	19	6	29	34	20	13
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	405	58	10	3	20	19	26	13
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	936	112	36	11	25	65	42	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	500	50	11	5	20	19	15	10
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	7	2	0	1	5	0	0
Two Speed Idle (TSI)	Unknown Program	Referee	32	20	7	2	2	11	4	11
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,505	453	72	33	216	150	116	52
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	512	23	0	2	14	3	7	3
Two Speed Idle (TSI)	Unknown Program	Test Only	2,852	184	26	9	91	59	40	19
UnKnown TestType	Basic	Referee	1	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Referee	3	4	0	0	0	4	0	4
UnKnown TestType	Partial	Referee	1	1	0	0	0	1	0	1
UnKnown TestType	Unknown Program	Referee	33	34	0	0	0	34	0	31

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